

Calendar No. 758

106TH CONGRESS
2^D SESSION

S. 1407

[Report No. 106–382]

To authorize appropriations for the Technology Administration of the Department of Commerce for fiscal years 2000, 2001, and 2002, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JULY 21, 1999

Mr. FRIST introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

AUGUST 25, 2000

Reported under authority of the order of the Senate of July 26, 2000, by Mr. MCCAIN, with an amendment in the nature of a substitute

[Strike out all after the enacting clause and insert the part printed in *italic*]

A BILL

To authorize appropriations for the Technology Administration of the Department of Commerce for fiscal years 2000, 2001, and 2002, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Technology Adminis-
3 tration Authorization Act for Fiscal Years 2000, 2001,
4 and 2002”.

5 **SEC. 2. DEFINITIONS.**

6 In this Act:

7 (1) **DIRECTOR.**—The term “Director” means
8 the Director of the National Institute of Standards
9 and Technology.

10 (2) **SECRETARY.**—The term “Secretary” means
11 the Secretary of Commerce.

12 **SEC. 3. AUTHORIZATION OF APPROPRIATIONS FOR SCI-**
13 **ENTIFIC AND TECHNICAL RESEARCH AND**
14 **SERVICES.**

15 (a) **LABORATORY ACTIVITIES.**—There are authorized
16 to be appropriated to the Department of Commerce for
17 use by the Secretary of Commerce for the Scientific and
18 Technical Research and Services laboratory activities of
19 the National Institute of Standards and Technology—

20 (1) \$289,622,000 for fiscal year 2000;

21 (2) \$305,551,000 for fiscal year 2001; and

22 (3) \$322,356,000 for fiscal year 2002.

23 (b) **CONSTRUCTION AND MAINTENANCE.**—There are
24 authorized to be appropriated to the Department of Com-
25 merce for use by the Secretary of Commerce for construc-

tion and maintenance of facilities of the National Institute
of Standards and Technology—

(1) \$106,798,000 for fiscal year 2000;

(2) \$31,800,000 for fiscal year 2001; and

(3) \$16,800,000 for fiscal year 2002.

SEC. 4. AUTHORIZATION OF APPROPRIATIONS FOR THE OF-
FICE OF THE UNDER SECRETARY FOR TECH-
NOLOGY.

(a) OFFICE OF TECHNOLOGY POLICY.—There are
authorized to be appropriated to the Department of Com-
merce for use by the Secretary of Commerce for the activi-
ties of the Under Secretary for Technology and the Office
of Technology Policy—

(1) \$8,442,000 for fiscal year 2000;

(2) \$8,695,000 for fiscal year 2001; and

(3) \$8,956,000 for fiscal year 2002.

(b) OFFICE OF SPACE COMMERCIALIZATION.—There
are authorized to be appropriated to the Department of
Commerce for use by the Secretary of Commerce for the
activities of the Office of Space Commercialization—

(1) \$530,000 for fiscal year 2000;

(2) \$550,000 for fiscal year 2001; and

(3) \$570,000 for fiscal year 2002.

1 **SEC. 5. AUTHORIZATION OF APPROPRIATIONS FOR INDUS-**
 2 **TRIAL TECHNOLOGY SERVICES.**

3 There are authorized to be appropriated to the De-
 4 partment of Commerce for use by the Secretary of Com-
 5 merce for the industrial technology services activities of
 6 the National Institute of Standards and Technology—

7 (1) \$316,405,000 for fiscal year 2000, of
 8 which—

9 (A) \$209,605,000 shall be for the Ad-
 10 vanced Technology Program under section 28
 11 of the National Institute of Standards and
 12 Technology Act (15 U.S.C. 278n); and

13 (B) \$106,800,000 shall be for the manu-
 14 facturing extension partnerships program under
 15 sections 25 and 26 of the National Institute of
 16 Standards and Technology Act (15 U.S.C. 278k
 17 and 278l); and

18 (2) \$322,693,000 for fiscal year 2001, of
 19 which—

20 (A) \$215,893,000 shall be for the Ad-
 21 vanced Technology Program under section 28
 22 of the National Institute of Standards and
 23 Technology Act (15 U.S.C. 278n); and

24 (B) \$106,800,000 shall be for the manu-
 25 facturing extension partnerships program under
 26 sections 25 and 26 of the National Institute of

1 Standards and Technology Act (15 U.S.C. 278k
2 and 278l).

3 ~~(3) \$329,170,000 for fiscal year 2002, of~~
4 ~~which—~~

5 (A) \$222,370,000 shall be for the Ad-
6 vanced Technology Program under section 28
7 of the National Institute of Standards and
8 Technology Act (15 U.S.C. 278n); and

9 (B) \$106,800,000 shall be for the manu-
10 facturing extension partnerships program under
11 sections 25 and 26 of the National Institute of
12 Standards and Technology Act (15 U.S.C. 278k
13 and 278l).

14 **SEC. 6. AUTHORIZATION OF APPROPRIATIONS FOR NA-**
15 **TIONAL TECHNICAL INFORMATION SERV-**
16 **ICES.**

17 (a) IN GENERAL.—There are authorized to be appro-
18 priated for the National Technical Information Service
19 \$2,000,000 for fiscal year 2000, to partially fund expenses
20 related to the collection, input processing, and preserva-
21 tion of scientific and technical information, to remain
22 available until expended.

23 (b) SUBMISSION OF PLAN.—None of the funds au-
24 thorized by subsection (a) may be obligated until the Sec-
25 retary has submitted a plan on the future of NTIS to the

1 Senate Committee on Commerce, Science, and Transpor-
 2 tation, and the Committee on Science of the House of
 3 Representatives. The plan shall address—

4 (1) whether the Service should be abolished;

5 (2) whether the Service’s mission should be
 6 modified to include new information technology-re-
 7 lated services and products to other agencies as well
 8 as to the public;

9 (3) any reorganizations required to achieve ei-
 10 ther the current mission, or a newly defined or a
 11 modified mission for the Service;

12 (4) whether there should be annual appropria-
 13 tions to continue operations; and

14 (5) what changes in existing law would be nec-
 15 essary to support any recommendations made in the
 16 plan.

17 **SEC. 7. NATIONAL INSTITUTE OF STANDARDS AND TECH-**
 18 **NOLOGY ACT AMENDMENTS.**

19 (a) AMENDMENTS.—Section 28 of the National Insti-
 20 tute of Standards and Technology Act (15 U.S.C. 278n)
 21 is amended—

22 (1) in subsection (d)—

23 (A) in paragraph (1)—

24 (i) by inserting “(A)” after “(1)”;

1 (ii) by inserting “and be of a nature
2 and scope that would not be pursued in a
3 timely manner without Federal assistance”
4 after “technical merit”; and

5 (iii) by adding at the end the fol-
6 lowing:

7 “(B) Each applicant for a contract or
8 award under the Program shall certify that the
9 applicant has made an effort to secure private
10 market funding for the research project in-
11 volved. That certification shall include a written
12 narrative description of the efforts made by the
13 applicant to secure that funding.”; and

14 (B) by adding at the end the following:

15 “(12) A large business may participate in a re-
16 search project that is the subject of a contract or
17 award under paragraph (3) only as a member of a
18 joint venture that includes 1 or more small busi-
19 nesses as members.”;

20 (2) in subsection (j)—

21 (A) by striking “and” at the end of para-
22 graph (1);

23 (B) by redesignating paragraph (2) as
24 paragraph (5); and

1 (C) by inserting after paragraph (1) the
2 following:

3 “(2) the term ‘large business’ means a business
4 that—

5 “(A) is not a small business; and

6 “(B) has gross annual revenues in an
7 amount greater than \$2,500,000,000;

8 “(3) the term ‘medium business’ means a busi-
9 ness that—

10 “(A) is not a small business; and

11 “(B) has gross annual revenues in an
12 amount less than or equal to \$2,500,000,000;

13 “(4) the term ‘small business’ means a small
14 business concern, as described in section 3(a)(1) of
15 the Small Business Act (15 U.S.C. 632(a)(1)); and”;

16 (3) by redesignating subsection (j) as sub-
17 section (m); and

18 (4) by inserting after subsection (i) the fol-
19 lowing:

20 “(j) Notwithstanding subsection (b)(1)(B) and sub-
21 section (d)(3), the Director may grant an extension be-
22 yond the applicable deadline specified in subsection
23 (b)(1)(B) or (d)(3) for a joint venture or single applicant
24 recipient of assistance to expend Federal funds to com-

1 plete the project assisted with that assistance, if that
 2 extension—

3 ~~“(1) is granted with no additional cost to the~~
 4 ~~Federal Government; and~~

5 ~~“(2) is in the interest of the Federal Govern-~~
 6 ~~ment.~~

7 ~~“(k)(1) The Secretary, acting through the Director,~~
 8 ~~may vest title to tangible personal property in any recipi-~~
 9 ~~ent of financial assistance under this section if—~~

10 ~~“(A) the property is purchased with funds pro-~~
 11 ~~vided under this section; and~~

12 ~~“(B) the Secretary, acting through the Direc-~~
 13 ~~tor, determines that the vesting of such property~~
 14 ~~furtheres the objectives of the Institute.~~

15 ~~“(2) Vesting under this subsection shall—~~

16 ~~“(A) be subject to such limitations as are pre-~~
 17 ~~scribed by the Secretary, acting through the Direc-~~
 18 ~~tor; and~~

19 ~~“(B) be made without further obligation to the~~
 20 ~~United States Government.~~

21 In carrying out this section, the Secretary, acting through
 22 the Director, shall ensure that the requirements of Cir-
 23 cular No. A-110 issued by the Office of Management and
 24 Budget are met with respect to the valuation of cost-share
 25 items used by participants in the Program.

1 “(1) AWARDS BASED ON COMPETITION.—All
 2 amounts appropriated for grants under subsection (b) for
 3 fiscal years beginning after the date of enactment of the
 4 Technology Administration Authorization Act for Fiscal
 5 Years 2000, 2001, and 2002 shall be used for grants
 6 awarded on the basis of general open competition.”.

7 (b) ADDITIONAL AMENDMENT.—

8 (1) IN GENERAL.—Section 28(d)(11)(A) of the
 9 National Institute of Standards and Technology Act
 10 (15 U.S.C. 278n(d)(11)(A)) is amended by striking
 11 the period at the end of the first sentence and in-
 12 serting the following: “or any other university or
 13 nonprofit awardee or subawardee (as those terms
 14 are defined by the Secretary) receiving financial as-
 15 sistance under this section, as agreed by the parties,
 16 notwithstanding the requirements of chapter 18 of
 17 title 35, United States Code.”.

18 (2) APPLICABILITY.—The amendment made by
 19 this subsection shall apply only with respect to as-
 20 sistance for which solicitations for proposals are
 21 made after the date of enactment of this Act.

22 **SEC. 8. REPORTS.**

23 (a) STATUS OF MANUFACTURING SECTOR.—Within
 24 6 months after the enactment of this Act, the Director
 25 shall submit a report to the Committee on Commerce,

1 Science, and Transportation of the Senate and the Com-
2 mittee on Science of the House of Representatives on the
3 following issues concerning the manufacturing sector:

4 (1) An expanded definition of manufacturing in
5 the digital age.

6 (2) The role of the manufacturing sector in the
7 digital age.

8 (3) Any legislative revisions to existing Federal
9 programs, such as Manufacturing Extension Pro-
10 gram, to reflect requirements imposed on the manu-
11 facturing sector by the knowledge-based economy.

12 (4) Needs for technical assistance for small
13 businesses, in coordination with existing efforts from
14 state and local governments and the Experimental
15 Program to Stimulate Competitive Technology pro-
16 gram.

17 (b) NATIONAL LABORATORIES.—The Assistant Sec-
18 retary for Technology Policy, in consultation with the Of-
19 fice of Science and Technology Policy and the Secretary
20 of Energy, shall, within 9 months after enactment of this
21 Act, submit a report to the Senate Committee on Com-
22 merce, Science, and Transportation and the House of Rep-
23 resentatives Committee on Science on the following issues
24 concerning the national laboratories:

1 (1) Whether the laboratories have clearly de-
2 fined and focused missions that are distinct from
3 one another.

4 (2) The existence of barriers in establishing and
5 retaining resources to maintain competitive centers
6 of excellence at the laboratories.

7 (3) The extent to which the laboratories col-
8 laborate with one another on research programs with
9 industry.

10 (4) The specific actions that can be taken in
11 the short term to strengthen the national labora-
12 tories technically and technologically.

13 (5) Any specific recommendations to increase
14 the efficiency and effectiveness of the national lab-
15 oratories in the long term, including systemic
16 changes whether new or previously proposed.

17 (c) TECHNICAL STANDARDS.—The Director, in con-
18 sultation with the United States Trade Representative and
19 any other appropriate agencies, shall submit a report to
20 the Senate Committee on Commerce, Science, and Trans-
21 portation and the House of Representatives Committee on
22 Science within 6 months after the enactment of this Act
23 on the following issues concerning technical standards:

1 (1) The role and impact of international tech-
 2 nical standards on global commerce and inter-
 3 national trade.

4 (2) The role of national standards, including
 5 their use as barriers, in international commerce and
 6 trade policies.

7 (3) The timeliness of the domestic and inter-
 8 national standards process and its impact on the de-
 9 velopment of new markets and new technologies, in-
 10 cluding the use of technical draft standards to ac-
 11 commodate the fast pace of change in market envi-
 12 ronment and technologies.

13 (4) Market, industry, and technology input into
 14 the standards process.

15 (5) Open and fair access in representation to
 16 the domestic and international standards process.

17 (6) Any recommendation for changes to the do-
 18 mestic standards process.

19 **SECTION 1. SHORT TITLE.**

20 *This Act may be cited as the “Technology Administra-*
 21 *tion Authorization Act for Fiscal Years 2001, 2002, and*
 22 *2003”.*

23 **SEC. 2. DEFINITIONS.**

24 *In this Act:*

1 (1) *DIRECTOR*.—The term “Director” means the
 2 Director of the National Institute of Standards and
 3 Technology.

4 (2) *SECRETARY*.—The term “Secretary” means
 5 the Secretary of Commerce.

6 **SEC. 3. AUTHORIZATION OF APPROPRIATIONS FOR SCI-**
 7 **ENTIFIC AND TECHNICAL RESEARCH AND**
 8 **SERVICES.**

9 (a) *LABORATORY ACTIVITIES*.—There are authorized
 10 to be appropriated to the Department of Commerce for use
 11 by the Secretary of Commerce for the Scientific and Tech-
 12 nical Research and Services laboratory activities of the Na-
 13 tional Institute of Standards and Technology—

14 (1) \$337,508,000 for fiscal year 2001;

15 (2) \$356,071,000 for fiscal year 2002; and

16 (3) \$375,655,000 for fiscal year 2003.

17 (b) *CONSTRUCTION AND MAINTENANCE*.—There are
 18 authorized to be appropriated to the Department of Com-
 19 merce for use by the Secretary of Commerce for construction
 20 and maintenance of facilities of the National Institute of
 21 Standards and Technology—

22 (1) \$35,879,000 for fiscal year 2001

23 (2) \$36,955,000 for fiscal year 2002; and

24 (3) \$38,064,000 for fiscal year 2003.

1 (c) *TEACHER SCIENCE AND TECHNOLOGY ENHANCE-*
 2 *MENT INSTITUTE PROGRAM.*—*There are authorized to be*
 3 *appropriated to the Department of Commerce for use by*
 4 *the Secretary of Commerce for the Teacher Science and*
 5 *Technology Enhancement Institute program of the National*
 6 *Institute of Standards and Technology—*

7 (1) \$750,000 for fiscal year 2001;

8 (2) \$773,000 for fiscal year 2002; and

9 (3) \$796,000 for fiscal year 2003.

10 **SEC. 4. AUTHORIZATION OF APPROPRIATIONS FOR THE OF-**
 11 **FICE OF THE UNDER SECRETARY FOR TECH-**
 12 **NOLOGY.**

13 (a) *OFFICE OF TECHNOLOGY POLICY.*—*There are au-*
 14 *thorized to be appropriated to the Department of Commerce*
 15 *for use by the Secretary of Commerce for the activities of*
 16 *the Under Secretary for Technology and the Office of Tech-*
 17 *nology Policy—*

18 (1) \$8,716,000 for fiscal year 2001;

19 (2) \$8,977,000 for fiscal year 2002; and

20 (3) \$9,246,000 for fiscal year 2003.

21 (b) *OFFICE OF SPACE COMMERCIALIZATION.*—*Of the*
 22 *funds authorized in subsection (a), there are authorized to*
 23 *be appropriated to the Department of Commerce for use by*
 24 *the Secretary of Commerce for the activities of the Office*
 25 *of Space Commercialization—*

1 (1) \$590,000 for fiscal year 2001;

2 (2) \$608,000 for fiscal year 2002; and

3 (3) \$626,000 for fiscal year 2003.

4 **SEC. 5. AUTHORIZATION OF APPROPRIATIONS FOR INDUS-**
 5 **TRIAL TECHNOLOGY SERVICES.**

6 *There are authorized to be appropriated to the Depart-*
 7 *ment of Commerce for use by the Secretary of Commerce*
 8 *for the industrial technology services activities of the Na-*
 9 *tional Institute of Standards and Technology—*

10 (1) \$271,015,000 for fiscal year 2001, of which—

11 (A) \$146,878,000 shall be for the Advanced
 12 Technology Program under section 28 of the Na-
 13 tional Institute of Standards and Technology Act
 14 (15 U.S.C. 278n); and

15 (B) \$124,137,000 shall be for the manufac-
 16 turing extension partnerships program under
 17 sections 25 and 26 of the National Institute of
 18 Standards and Technology Act (15 U.S.C. 278k
 19 and 278l); and

20 (2) \$275,421,000 for fiscal year 2002, of which—

21 (A) \$151,284,000 shall be for the Advanced
 22 Technology Program under section 28 of the Na-
 23 tional Institute of Standards and Technology Act
 24 (15 U.S.C. 278n); and

(B) \$119,137,000 shall be for the manufacturing extension partnerships program under sections 25 and 26 of the National Institute of Standards and Technology Act (15 U.S.C. 278k and 278l).

(3) \$264,960,000 for fiscal year 2003, of which—

(A) \$155,823,000 shall be for the Advanced Technology Program under section 28 of the National Institute of Standards and Technology Act (15 U.S.C. 278n); and

(B) \$109,137,000 shall be for the manufacturing extension partnerships program under sections 25 and 26 of the National Institute of Standards and Technology Act (15 U.S.C. 278k and 278l).

SEC. 6 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY ACT AMENDMENTS.

(a) AMENDMENTS.—Section 28 of the National Institute of Standards and Technology Act (15 U.S.C. 278n) is amended—

(1) in subsection (d)—

(A) in paragraph (1)—

(i) by inserting “(A)” after “(1)”;

(ii) by inserting “and be of a nature and scope that would not be pursued in a

1 *timely manner without Federal assistance”*
 2 *after “technical merit”; and*

3 (iii) *by adding at the end the fol-*
 4 *lowing:*

5 “(B) *Each applicant for a contract or*
 6 *award under the Program shall certify that the*
 7 *applicant has made an effort to secure private*
 8 *market funding for the research project involved.*
 9 *That certification shall include a written nar-*
 10 *rative description of the efforts made by the ap-*
 11 *plicant to secure that funding.”; and*

12 (B) *by adding at the end the following:*

13 “(12) *A large business may participate in a re-*
 14 *search project that is the subject of a contract or*
 15 *award under paragraph (3) only as a member of a*
 16 *joint venture that includes 1 or more small businesses*
 17 *as members.”;*

18 (2) *in subsection (j)—*

19 (A) *by striking “and” at the end of para-*
 20 *graph (1);*

21 (B) *by redesignating paragraph (2) as*
 22 *paragraph (5); and*

23 (C) *by inserting after paragraph (1) the fol-*
 24 *lowing:*

1 “(2) the term ‘large business’ means a business
2 that—

3 “(A) is not a small business; and

4 “(B) has gross annual revenues in an
5 amount greater than \$2,500,000,000;

6 “(3) the term ‘medium business’ means a busi-
7 ness that—

8 “(A) is not a small business; and

9 “(B) has gross annual revenues in an
10 amount less than or equal to \$2,500,000,000;

11 “(4) the term ‘small business’ means a small
12 business concern, as described in section 3(a)(1) of the
13 Small Business Act (15 U.S.C. 632(a)(1)); and”;

14 (3) by redesignating subsection (j) as subsection
15 (m); and

16 (4) by inserting after subsection (i) the following:

17 “(j) Notwithstanding subsection (b)(1)(B) and sub-
18 section (d)(3), the Director may grant an extension beyond
19 the applicable deadline specified in subsection (b)(1)(B) or
20 (d)(3) for a joint venture or single applicant recipient of
21 assistance to expend Federal funds to complete the project
22 assisted with that assistance, if that extension—

23 “(1) is granted with no additional cost to the
24 Federal Government; and

25 “(2) is in the interest of the Federal Government.

1 “(k)(1) *The Secretary, acting through the Director,*
 2 *may vest title to tangible personal property in any recipi-*
 3 *ent of financial assistance under this section if—*

4 “(A) *the property is purchased with funds pro-*
 5 *vided under this section; and*

6 “(B) *the Secretary, acting through the Director,*
 7 *determines that the vesting of such property furthers*
 8 *the objectives of the Institute.*

9 “(2) *Vesting under this subsection shall—*

10 “(A) *be subject to such limitations as are pre-*
 11 *scribed by the Secretary, acting through the Director;*
 12 *and*

13 “(B) *be made without further obligation to the*
 14 *United States Government.*

15 *In carrying out this section, the Secretary, acting through*
 16 *the Director, shall ensure that the requirements of Circular*
 17 *No. A-110 issued by the Office of Management and Budget*
 18 *are met with respect to the valuation of cost-share items*
 19 *used by participants in the Program.*

20 “(l) *AWARDS BASED ON COMPETITION.—All amounts*
 21 *appropriated for grants under subsection (b) for fiscal years*
 22 *beginning after the date of enactment of the Technology Ad-*
 23 *ministration Authorization Act for Fiscal Years 2001,*
 24 *2002, and 2003 shall be used for grants awarded on the*
 25 *basis of general open competition.”.*

1 (b) *ADDITIONAL AMENDMENT.*—

2 (1) *IN GENERAL.*—Section 28(d)(11)(A) of the
 3 *National Institute of Standards and Technology Act*
 4 (15 U.S.C. 278n(d)(11)(A)) is amended by striking
 5 the period at the end of the first sentence and insert-
 6 ing the following: “or any other university or non-
 7 profit awardee or subawardee (as those terms are de-
 8 fined by the Secretary) receiving financial assistance
 9 under this section, as agreed by the parties, notwith-
 10 standing the requirements of chapter 18 of title 35,
 11 *United States Code.*”.

12 (2) *APPLICABILITY.*—The amendment made by
 13 this subsection shall apply only with respect to assist-
 14 ance for which solicitations for proposals are made
 15 after the date of enactment of this Act.

16 **SEC. 7. REPORTS.**

17 (a) *STATUS OF MANUFACTURING SECTOR.*—Within 6
 18 months after the enactment of this Act, the Director shall
 19 submit a report to the Committee on Commerce, Science,
 20 and Transportation of the Senate and the Committee on
 21 Science of the House of Representatives on the following
 22 issues concerning the manufacturing sector:

23 (1) *An expanded definition of manufacturing in*
 24 *the digital age.*

1 (2) *The role of the manufacturing sector in the*
2 *digital age.*

3 (3) *Any legislative revisions to existing Federal*
4 *programs, such as Manufacturing Extension Pro-*
5 *gram, to reflect requirements imposed on the manu-*
6 *facturing sector by the knowledge-based economy.*

7 (4) *Needs for technical assistance for small busi-*
8 *nesses, in coordination with existing efforts from state*
9 *and local governments and the Experimental Pro-*
10 *gram to Stimulate Competitive Technology program.*

11 (b) *NATIONAL LABORATORIES.—The Assistant Sec-*
12 *retary for Technology Policy, in consultation with the Office*
13 *of Science and Technology Policy and the Secretary of En-*
14 *ergy, shall, within 9 months after enactment of this Act,*
15 *submit a report to the Senate Committee on Commerce,*
16 *Science, and Transportation and the House of Representa-*
17 *tives Committee on Science on the following issues con-*
18 *cerning the national laboratories:*

19 (1) *Whether the laboratories have clearly defined*
20 *and focused missions that are distinct from one an-*
21 *other.*

22 (2) *The existence of barriers in establishing and*
23 *retaining resources to maintain competitive centers of*
24 *excellence at the laboratories.*

1 (3) *The extent to which the laboratories collabo-*
 2 *rate with one another on research programs with in-*
 3 *dustry.*

4 (4) *The specific actions that can be taken in the*
 5 *short term to strengthen the national laboratories*
 6 *technically and technologically.*

7 (5) *Any specific recommendations to increase the*
 8 *efficiency and effectiveness of the national laboratories*
 9 *in the long term, including systemic changes whether*
 10 *new or previously proposed.*

11 (c) *TECHNICAL STANDARDS.—The Director, in con-*
 12 *sultation with the United States Trade Representative and*
 13 *any other appropriate agencies, shall submit a report to*
 14 *the Senate Committee on Commerce, Science, and Trans-*
 15 *portation and the House of Representatives Committee on*
 16 *Science within 6 months after the enactment of this Act*
 17 *on the following issues concerning technical standards:*

18 (1) *The role and impact of international tech-*
 19 *anical standards on global commerce and international*
 20 *trade.*

21 (2) *The role of national standards, including*
 22 *their use as barriers, in international commerce and*
 23 *trade policies.*

24 (3) *The timeliness of the domestic and inter-*
 25 *national standards process and its impact on the de-*

1 *velopment of new markets and new technologies, in-*
 2 *cluding the use of technical draft standards to accom-*
 3 *modate the fast pace of change in market environment*
 4 *and technologies.*

5 *(4) Market, industry, and technology input into*
 6 *the standards process.*

7 *(5) Open and fair access in representation to the*
 8 *domestic and international standards process.*

9 *(6) Any recommendation for changes to the do-*
 10 *mestic standards process.*

11 **SEC. 8. AUTHORIZATION OF INTERAGENCY SUPPORT FOR**
 12 **GLOBAL POSITIONING SYSTEM.**

13 *The use of interagency funding and other forms of sup-*
 14 *port is hereby authorized by Congress for the functions and*
 15 *activities of the Interagency Global Positioning System Ex-*
 16 *ecutive Board including an Executive Secretariat to be*
 17 *housed at the Department of Commerce.*

18 **SEC. 9. TRANSFER OF EPSCOT TO NIST.**

19 *(a) TRANSFER.—Section 5(f) of the Stevenson-Wydler*
 20 *Technology Innovation Act of 1980 (15 U.S.C. 3704(f)) is*
 21 *amended by striking “acting through the Under Secretary,”*
 22 *each place it appears and inserting “acting through the Na-*
 23 *tional Institute of Standards and Technology,”.*

24 *(b) INCREASED FUNDING.—In addition to any*
 25 *amounts otherwise authorized to be appropriated, there are*

1 *authorized to be appropriated to the Secretary of Commerce*
2 *for the Experimental Program to Stimulate Competitive*
3 *Technology of the National Institute of Standards and*
4 *Technology—*

5 (1) \$3,000,000 for fiscal year 2001;

6 (2) \$3,000,000 for fiscal year 2002; and

7 (3) \$3,000,000 for fiscal year 2003.

Calendar No. 758

106TH CONGRESS
2D SESSION

S. 1407

[Report No. 106-382]

A BILL

To authorize appropriations for the Technology Administration of the Department of Commerce for fiscal years 2000, 2001, and 2002, and for other purposes.

AUGUST 25, 2000

Reported with an amendment in the nature of a
substitute